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## **AMENDMENTS TO THE CLAIMS**

This listing of claims replaces all prior versions and listings of claims in the application:

Attorney Docket No.: 70002-104001

Client Ref. No.: 09A-911128

## <u>Listing of claims:</u>

1-13. (Cancelled)

14. (Currently amended) A method for producing a fermentation product from starch-containing produce, the method comprising:

treating a starch-containing produce slurry with a first starch hydrolyzing enzyme that hydrolyzes starch to oligosaccharide at a temperature under which protein coagulates,

removing insoluble materials from the slurry to obtain a starch hydrolysatecontaining solution,

treating the starch hydrolysate-containing solution with a second starch hydrolyzing enzyme that hydrolyzes starch or oligosaccharide to glucose to obtain a glucose-rich syrup, and

treating the glucose-rich syrup for up to five days with a microorganism

Aspergillus oryzae that converts glucose to produce a fermentation product containing 13.5% ethanol.

- 15. (Original) The method of claim 14, wherein the first starch hydrolyzing enzyme is  $\alpha$ -amylase and the second starch hydrolyzing enzyme is glucoamylase.
- 16. (Currently amended) The method of claim 15, wherein the fermentation product is wine, vinegar, lactic acid, citric acid, or amino acids.
  - 17. (Cancelled)

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18. (Previously Presented) The method of claim 16, wherein the produce is rice, tapioca, grain sorghum, potato, sweet potato, wheat, barley, corn, or legumes.

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- 19. (Currently amended) The method of claim 14, wherein the fermentation product is wine, vinegar, lactic acid, citric acid, or amino acids.
- 20. (Original) The method of claim 14, wherein the produce is rice, tapioca, grain sorghum, potato, sweet potato, wheat, barley, corn, or legumes.

## 21-30. (Cancelled)

- 31. (Previously presented) The method of claim 14, wherein the temperature is 90 °C.
- 32. (Previously presented) The method of claim 15, wherein the temperature is 90 °C.
- 33. (Previously presented) The method of claim 16, wherein the temperature is 90 °C.
- 34. (Previously presented) The method of claim 18, wherein the temperature is 90 °C.
- 35. (Previously presented) The method of claim 19, wherein the temperature is 90 °C.
- 36. (Previously presented) The method of claim 20, wherein the temperature is 90 °C.

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## 37-44. (Cancelled)

45. (New) A method for producing a fermentation product from starchcontaining produce, the method comprising:

treating a starch-containing produce slurry with a first starch hydrolyzing enzyme that hydrolyzes starch to oligosaccharide at a temperature under which protein coagulates,

removing insoluble materials from the slurry to obtain a starch hydrolysatecontaining solution,

treating the starch hydrolysate-containing solution with a second starch hydrolyzing enzyme that hydrolyzes starch or oligosaccharide to glucose to obtain a glucose-rich syrup, and

treating the glucose-rich syrup for three days with Aspergillus oryzae to produce a fermentation product containing 10.5 % ethanol.

- 46. (New) The method of claim 45, wherein the first starch hydrolyzing enzyme is  $\alpha$ -amylase and the second starch hydrolyzing enzyme is glucoamylase.
  - 47. (New) The method of claim 45, wherein the fermentation product is wine.
- 48. (New) The method of claim 45, wherein the produce is rice, tapioca, grain sorghum, potato, sweet potato, wheat, barley, corn, or legumes.
  - 49. (New) The method of claim 46, wherein the fermentation product is wine.
- 50. (New) The method of claim 46, wherein the produce is rice, tapioca, grain sorghum, potato, sweet potato, wheat, barley, corn, or legumes.
  - 51. (New) The method of claim 45, wherein the temperature is 90 °C.

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(New) The method of claim 46, wherein the temperature is 90 °C. 52.

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